

SUBJECT INDEX

Anchor bolts

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Arching

Arching of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Architecture

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

ASCE Conventions

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

ASCE Technical Divisions

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Beams

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Global Optimum Design of Cold-Formed Steel Z-Shape Beams, Asim Karim and Hojjat Adeli, SC Feb. 99, p17-20.

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Bending moments

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Boring

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Bracing

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

Bridge decks

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Bridge maintenance

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Bridges, concrete

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Bridges, suspension

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Carbon

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Case reports

Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, Robert F. Borg, P.E., SC Nov. 99, p153-155.

Cast-in-place structures

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Codes

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

Cold-formed steel

Global Optimum Design of Cold-Formed Steel Z-Shape Beams, Asim Karim and Hojjat Adeli, SC Feb. 99, p17-20.

Colorado

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Columns

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Communication

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Communication skills

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Community relations

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Composite materials

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Computation

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

Computer networks

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Computers

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Concrete

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Concrete construction

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Concrete masonry

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Concrete, post-tensioned

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Concrete, reinforced

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Concrete structures

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Conduits

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Duley M. Abraham and Tom Iseley, SC May 99, p56-63.

Configuration

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Confinement

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Connections

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Construction

Construction Forum, Bill Badger, P.E., SC Feb. 99, p9-12.

Construction Forum, Cliff Schexnayder, P.E., SC Nov. 99, p130.

Letter to the Editor: Dear Mr. Periodical Sir: (ltr), William R. Nash, SC Aug. 99, p83-82.

Construction companies

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Construction industry

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Construction management

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Fixing the Troubled Construction Project: A Game Plan, Terry W. Towle, P.E., SC Feb. 99, p29-32.

Wisdom in Managing the Construction Process, William W. Badger, P.E., SC Aug. 99, p92-95.

Construction planning

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Construction sites

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Contracting

Construction Forum, Bill Badger, P.E., SC Feb. 99, p9-12.

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Contractors

Flight of the Condaire, Malcom Sweet, SC May 99, p75-76.

Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, Robert F. Borg, P.E., SC Nov. 99, p153-155.

Cooperation

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Creativity

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Curing

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Curricula

Construction Forum, Cliff Schexnayder, P.E., SC Nov. 99, p130.

Design

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Two-Way Slab Design Expert System, Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97.

Disturbances

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Drilling

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Economic factors

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Duley M. Abraham and Tom Iseley, SC May 99, p56-63.

Embedment

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Emissions

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Employee relations

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Engineering

Wood Engineering and Construction Handbook, edited by Keith Faherty and Thomas Williamson, Bill Nash, SC Aug. 99, p124.

SUBJECT INDEX

Anchor bolts

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Arching

Arching of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Architecture

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

ASCE Conventions

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

ASCE Technical Divisions

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Beams

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Global Optimum Design of Cold-Formed Steel Z-Shape Beams, Asim Karim and Hojjat Adeli, SC Feb. 99, p17-20.

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Bending moments

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Boring

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Bracing

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

Bridge decks

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Bridge maintenance

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Bridges, concrete

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Bridges, suspension

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Carbon

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Case reports

Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, Robert F. Borg, P.E., SC Nov. 99, p153-155.

Cast-in-place structures

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Codes

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

Cold-formed steel

Global Optimum Design of Cold-Formed Steel Z-Shape Beams, Asim Karim and Hojjat Adeli, SC Feb. 99, p17-20.

Colorado

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Columns

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Communication

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Communication skills

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Community relations

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Composite materials

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Computation

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

Computer networks

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Computers

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Concrete

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Concrete construction

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Concrete masonry

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Concrete, post-tensioned

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Concrete, reinforced

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Concrete structures

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Conduits

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Duley M. Abraham and Tom Iseley, SC May 99, p56-63.

Configuration

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Confinement

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Connections

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Construction

Construction Forum, Bill Badger, P.E., SC Feb. 99, p9-12.

Construction Forum, Cliff Schexnayder, P.E., SC Nov. 99, p130.

Letter to the Editor: Dear Mr. Periodical Sir: (ltr), William R. Nash, SC Aug. 99, p83-82.

Construction companies

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Construction industry

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Construction management

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Fixing the Troubled Construction Project: A Game Plan, Terry W. Towle, P.E., SC Feb. 99, p29-32.

Wisdom in Managing the Construction Process, William W. Badger, P.E., SC Aug. 99, p92-95.

Construction planning

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Construction sites

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Contracting

Construction Forum, Bill Badger, P.E., SC Feb. 99, p9-12.

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Contractors

Flight of the Condaire, Malcom Sweet, SC May 99, p75-76.

Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, Robert F. Borg, P.E., SC Nov. 99, p153-155.

Cooperation

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Creativity

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Curing

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Curricula

Construction Forum, Cliff Schexnayder, P.E., SC Nov. 99, p130.

Design

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Two-Way Slab Design Expert System, Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97.

Disturbances

Dealing with Nighttime Construction Nuisances, Cliff J. Schexnayder, SC May 99, p77-82.

Drilling

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Economic factors

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Duley M. Abraham and Tom Iseley, SC May 99, p56-63.

Embedment

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Emissions

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Employee relations

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Engineering

Wood Engineering and Construction Handbook, edited by Keith Faherty and Thomas Williamson, Bill Nash, SC Aug. 99, p124.

Evaporation

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Expert systems

Two-Way Slab Design Expert System, Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97.

Failures

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Fiber reinforced plastics

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Fills

Archiving of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Finite element method

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Flexural strength

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Flexure

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Floors

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Frames

Archiving of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Geographic information systems

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Graphical analysis

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Guidelines

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

History

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Human factors

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Humidity

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Information

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Innovation

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Installation

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Insurance

Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, Robert F. Borg, P.E., SC Nov. 99, p153-155.

Interfaces

Two-Way Slab Design Expert System, Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97.

Joists

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Knowledge-based systems

Two-Way Slab Design Expert System, Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97.

Lateral loads

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Leadership

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Wisdom in Managing the Construction Process, William W. Badger, P.E., SC Aug. 99, p92-95.

Loads

Archiving of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Management

Construction Forum, Cliff Schexnayder, P.E., SC Nov. 99, p130.

Fixing the Troubled Construction Project: A Game Plan, Terry W. Towle, P.E., SC Feb. 99, p29-32.

Letter to the Editor: Dear Mr. Periodical Sir: (ltr), William R. Nash, SC Aug. 99, p83-82.

Management systems

Bridge Management System for the City and County of Denver, Kevin L. Rens, P.E., Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136.

Marketing

Establishing a World Wide Web Presence, Indunil Seneviratne, Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74.

Masonry

Archiving of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Matrices, mathematics

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

Mechanical engineering

Flight of the Condaire, Malcom Sweet, SC May 99, p75-76.

Methodology

Fixing the Troubled Construction Project: A Game Plan, Terry W. Towle, P.E., SC Feb. 99, p29-32.

Microtunneling

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Dulcy M. Abraham and Tom Iseley, SC May 99, p56-63.

Moisture

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Moments

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Mortars

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Neural networks

Global Optimum Design of Cold-Formed Steel Z-Shape Beams, Asim Karim and Hojjat Adeli, SC Feb. 99, p17-20.

Optimal design

Global Optimum Design of Cold-Formed Steel Z-Shape Beams, Asim Karim and Hojjat Adeli, SC Feb. 99, p17-20.

Panels

Archiving of Masonry Infilled Frames: Comparison of Analytical Methods, Roger D. Flanagan and Richard M. Bennett, SC Aug. 99, p105-110.

Performance

Construction Forum, Bill Badger, P.E., SC Feb. 99, p9-12.

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Personnel management

Wisdom in Managing the Construction Process, William W. Badger, P.E., SC Aug. 99, p92-95.

Pipes

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Problem solving

Letter to the Editor: Dear Mr. Periodical Sir: (ltr), William R. Nash, SC Aug. 99, p83-82.

Productivity

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Dulcy M. Abraham and Tom Iseley, SC May 99, p56-63.

Project evaluation

Fixing the Troubled Construction Project: A Game Plan, Terry W. Towle, P.E., SC Feb. 99, p29-32.

Project management

Fixing the Troubled Construction Project: A Game Plan, Terry W. Towle, P.E., SC Feb. 99, p29-32.

Projects

Letter to the Editor: Dear Mr. Periodical Sir: (ltr), William R. Nash, SC Aug. 99, p83-82.

Quality control

Flight of the Condaire, Malcom Sweet, SC May 99, p75-76.

Repairing

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Research

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Retrofitting

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Reviews

Wood Engineering and Construction Handbook, edited by Keith Faherty and Thomas Williamson, Bill Nash, SC Aug. 99, p124.

Roof failures

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

Safety analysis

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Dulcy M. Abraham and Tom Iseley, SC May 99, p56-63.

Seismic response

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Service loads

Calculating Service Moment Capacity of Anchor Bolted Connections, M. A. McNeff, P.E., SC Feb. 99, p33-35.

Sewers

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Shear strength

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

Shotcrete

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Shrinkage

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Slabs

Two-Way Slab Design Expert System, Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97.

Soil cement

Structural Design Forum, Carl J. Lehman, P.E., SC Feb. 99, p1-8.

Soil conditions

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Specifications

Construction Forum, Bill Badger, P.E., SC May 99, p54-55.

Stability

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Stainless steel

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Standards

Flight of the Condair, Malcom Sweet, SC May 99, p75-76.

Steel

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, T. N. Ganju, SC Nov. 99, p147-152.

New Configuration of Lateral Steel for RC Columns, Y. L. Mo and M. L. Hwang, SC Aug. 99, p111-118.

Steel columns

Design of Steel Columns in Unbraced Frames Using Notional Loads, Jon A. Schmidt, P.E., SC Feb. 99, p24-28.

Stiffness

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Strength

Structural Design Forum, Carl J. Lehman, P.E., SC Aug. 99, p85-91.

Structural members

Dichotomy in ACI 318 Shear Strengths, Hans Gesund, SC Nov. 99, p137-138.

Structural steels

Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, Christopher M. Foley and Evan R. Buckhouse, SC Feb. 99, p36-42.

Structure reinforcement

Structural Design Forum, Carl J. Lehman, P.E., SC Nov. 99, p125-129.

Supervision

Wisdom in Managing the Construction Process, William W. Badger, P.E., SC Aug. 99, p92-95.

Teamwork

Leadership in the Construction Industry, David M. Spatz, SC May 99, p64-68.

Temperature

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Temporary structures

Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, Robert F. Borg, P.E., SC Nov. 99, p153-155.

Testing

Concrete-Moisture-Vapor-Emission Mechanics, Rick Kercheval, SC Aug. 99, p96-104.

Thermal stresses

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Timber construction

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

Wood Engineering and Construction Handbook, edited by Keith Faherty and Thomas Williamson, Bill Nash, SC Aug. 99, p124.

Training

Construction Forum, Cliff Schexnayder, P.E., SC Nov. 99, p130.

Trenchless technology

Microtunneling Technology for Conduit Construction, Michael B. Myers, Thomas W. Stickrod, Duley M. Abraham and Tom Iseley, SC May 99, p56-63.

Trusses

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

Utilities

Horizontal Directional Boring at Lewis Prison Complex, Michael D. Tulloss and Cliff J. Schexnayder, SC Aug. 99, p119-129.

Walls

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Weather

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Welds

Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, Philip C. Terry, P.E., SC Feb. 99, p13-16.

Wind forces

Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, Ashley C. Carden and George E. Ramey, SC Nov. 99, p139-146.

Wind loads

Structural Design Forum, Carl J. Lehman, P.E., SC May 99, p43-53.

Wood

Wood Engineering and Construction Handbook, edited by Keith Faherty and Thomas Williamson, Bill Nash, SC Aug. 99, p124.

Wood products

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

Wooden structures

Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, Frank E. Woeste, P.E., SC Feb. 99, p21-23.

AUTHOR INDEX

- Abraham, Dulcy M.**
see Myers, Michael B., SC May 99, p56-63
- Adeli, Hojjat**
see Karim, Asim, SC Feb. 99, p17-20
- Badger, Bill, P.E.**
Construction Forum, SC Feb. 99, p9-12
Construction Forum, SC May 99, p54-55
- Badger, William W., P.E.**
Wisdom in Managing the Construction Process, SC Aug. 99, p92-95
- Bennett, Richard M.**
see Flanagan, Roger D., SC Aug. 99, p105-110
- Borg, Robert F., P.E.**
Pitfalls in Builder's Risk Insurance for Temporary Structures in Construction, SC Nov. 99, p153-155
- Buckhouse, Evan R.**
see Foley, Christopher M., SC Feb. 99, p36-42
- Carden, Ashley C.**
Weather Exposure and Its Effect on Bridge Deck Curing in Alabama, with George E. Ramey, SC Nov. 99, p139-146
- Flanagan, Roger D.**
Archiving of Masonry Infilled Frames: Comparison of Analytical Methods, with Richard M. Bennett, SC Aug. 99, p105-110
- Foley, Christopher M.**
Method to Increase Capacity and Stiffness of Reinforced Concrete Beams, with Evan R. Buckhouse, SC Feb. 99, p36-42
- Ganju, T. N.**
Angle and Z Beams in Bending: Tensor Matrix Method for Spreadsheets, SC Nov. 99, p147-152
- Gesund, Hans**
Dichotomy in ACI 318 Shear Strengths, SC Nov. 99, p137-138
- Gruber, Terry, P.E.**
see Rens, Kevin L., P.E., SC Nov. 99, p131-136
- Hwang, M. L.**
see Mo, Y. L., SC Aug. 99, p111-118
- Iseley, Tom**
see Myers, Michael B., SC May 99, p56-63
- Johnson, Lynn E., P.E.**
see Rens, Kevin L., P.E., SC Nov. 99, p131-136
- Karim, Asim**
Global Optimum Design of Cold-Formed Steel Z-Shape Beams, with Hojjat Adeli, SC Feb. 99, p17-20
- Kercheval, Rick**
Concrete-Moisture-Vapor-Emission Mechanics, SC Aug. 99, p96-104
- Lehman, Carl J., P.E.**
Structural Design Forum, SC Feb. 99, p1-8
Structural Design Forum, SC May 99, p43-53
Structural Design Forum, SC Aug. 99, p85-91
Structural Design Forum, SC Nov. 99, p125-129
- Longinow, Anatol**
disc. (of Two-Way Slab Design Expert System, by Y. L. Mo and K. H. Shih, SC Aug. 97, p95-97), SC Aug. 99, p122
- McNeff, M. A., P.E.**
Calculating Service Moment Capacity of Anchor Bolted Connections, SC Feb. 99, p33-35
- Mo, Y. L.**
New Configuration of Lateral Steel for RC Columns, with M. L. Hwang, SC Aug. 99, p111-118
Two-Way Slab Design Expert System, with K. H. Shih, SC Aug. 97, p95-97
disc: Anatol Longinow, SC Aug. 99, p122
clo: SC Aug. 99, p122-123
- Myers, Michael B.**
Microtunneling Technology for Conduit Construction, with Thomas W. Stickrod, Dulcy M. Abraham and Tom Iseley, SC May 99, p56-63
- Nash, Bill**
Wood Engineering and Construction Handbook, edited by Keith Faberty and Thomas Williamson, SC Aug. 99, p124
- Nash, William R.**
Letter to the Editor: Dear Mr. Periodical Sir: (ltr), SC Aug. 99, p83-82
- Neiman, Yvonne M.**
see Rens, Kevin L., P.E., SC Nov. 99, p131-136
- Nogueira, Carnot L.**
see Rens, Kevin L., P.E., SC Nov. 99, p131-136
- Ramey, George E.**
see Carden, Ashley C., SC Nov. 99, p139-146
- Rens, Kevin L., P.E.**
Bridge Management System for the City and County of Denver, with Carnot L. Nogueira, Yvonne M. Neiman, Terry Gruber, P.E. and Lynn E. Johnson, P.E., SC Nov. 99, p131-136
- Schexnayder, Cliff**
see Seneviratne, Indunil, SC May 99, p69-74
- Schexnayder, Cliff, P.E.**
Construction Forum, SC Nov. 99, p130
- Schexnayder, Cliff J.**
Dealing with Nighttime Construction Nuisances, SC May 99, p77-82
see Tulloss, Michael D., SC Aug. 99, p119-129
- Schmidt, Jon A., P.E.**
Design of Steel Columns in Unbraced Frames Using Notional Loads, SC Feb. 99, p24-28
- Seneviratne, Indunil**
Establishing a World Wide Web Presence, with Cliff Schexnayder and Avi Wiesel, SC May 99, p69-74
- Shih, K. H.**
see Mo, Y. L., SC Aug. 97, p95-97
- Spatz, David M.**
Leadership in the Construction Industry, SC May 99, p64-68
- Stickrod, Thomas W.**
see Myers, Michael B., SC May 99, p56-63
- Sweet, Malcom**
Flight of the Condaire, SC May 99, p75-76
- Terry, Philip C., P.E.**
Analysis of Thermal Stresses at Dissimilar Metal Pipe Welds, SC Feb. 99, p13-16
- Towle, Terry W., P.E.**
Fixing the Troubled Construction Project: A Game Plan, SC Feb. 99, p29-32
- Tulloss, Michael D.**
Horizontal Directional Boring at Lewis Prison Complex, with Cliff J. Schexnayder, SC Aug. 99, p119-129
- Wiesel, Avi**
see Seneviratne, Indunil, SC May 99, p69-74
- Woeste, Frank E., P.E.**
Impact of Permanent Diagonal Bracing on Different MPC Wood Truss Types, SC Feb. 99, p21-23

7

1

2

